

Title (en)

Door system of the swivel-sliding type for use in a vehicle.

Title (de)

Schwenkschiebetür für Fahrzeuge.

Title (fr)

Système de porte louvoyante-coulissante pour véhicule.

Publication

EP 0492743 B1 19950322 (EN)

Application

EP 91203414 A 19911224

Priority

NL 9002885 A 19901228

Abstract (en)

[origin: EP0492743A1] A door system of the swivel-sliding type for use in a vehicle, suitable in particular for a vehicle for public transport, said door system comprising at least one door panel; suspension means for said at least one door panel, which comprise a telescopic guide (5); and a drive system for said at least one door panel, wherein the drive system comprises at least one piston-cylinder assembly (29,30) of which a first movable part (29) is connected to the telescopic guide via a system of arms and rods so as to cause said telescopic guide in operation to perform a plugging movement, while a second part (30) of the piston-cylinder assembly is provided with a projection extending into a track (32) having a first section extending substantially transverse to said at least one door panel and an adjoining section extending substantially parallel to the telescopic guide, the projection forming a part of a pantograph construction mounted between a fixed pivot point and a point of attachment on said door panel, said pantograph construction (33) transmitting the movement of the projection to the door. <IMAGE>

IPC 1-7

B60J 5/06; B61D 19/00; B61D 19/02; E05F 15/06; E05D 15/10

IPC 8 full level

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CPC (source: EP US)

B60J 5/062 (2013.01 - EP US); **B61D 19/008** (2013.01 - EP US); **B61D 19/02** (2013.01 - EP US); **E05D 15/1068** (2013.01 - EP US); **E05F 15/565** (2015.01 - EP US); **E05D 2015/1076** (2013.01 - EP US); **E05D 2015/1084** (2013.01 - EP US); **E05F 15/646** (2015.01 - EP US); **E05Y 2201/22** (2013.01 - EP US); **E05Y 2201/434** (2013.01 - EP US); **E05Y 2201/604** (2013.01 - EP US); **E05Y 2201/608** (2013.01 - EP US); **E05Y 2201/624** (2013.01 - EP US); **E05Y 2201/686** (2013.01 - EP US); **E05Y 2800/73** (2013.01 - EP US); **E05Y 2900/51** (2013.01 - EP US)

Cited by

EP0957019A3; EP2899092A1; US9388622B1; CN110803179A; US5438800A; CN103003125A; EP0820889A1; NL1003674C2; US5483769A; EP0940278A3; CN103459231A; CN108625710A; EP0875434A1; US5893236A; CN105873807A; US10119319B2; WO2012007417A1; US6385910B1; US7887106B2; US6792717B2; US9528869B2; WO242105A1; WO2006029856A1

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DOCDB simple family (application)

EP 91203414 A 19911224; AT 91203414 T 19911224; AU 9013691 A 19911224; DE 69108368 T 19911224; ES 91203414 T 19911224; NL 9002885 A 19901228; US 81507591 A 19911227